

## ABSTRACT

A color tone setting window 100 that includes an ink color circle 110 is displayed in order to set a color tone of a monochrome image. By specifying a point Pcc in the ink color circle 110, intensities of color components  
5 representing three chromatic primary color inks are specified. The color component intensities representing three chromatic primary color inks are determined as parameters defining the color tone of the monochrome image in accordance with the position of the specified point Pcc in the ink color circle 110. The ink color circle 110 is configured such that the color component  
10 intensities representing three chromatic primary color inks can be visually recognized from the position in the ink color circle 110. Alternatively, ink color sliders can be used in lieu of the ink color circle 110.